

Title (en)  
PROBES GUIDANCE DEVICE FOR NUCLEAR REACTOR

Publication  
**EP 0233424 B1 19901114 (FR)**

Application  
**EP 86402792 A 19861212**

Priority  
FR 8518495 A 19851213

Abstract (en)  
[origin: US4765947A] A device is provided concerning probe guide ducts for allowing a probe to pass for carrying out measurements on the coolant at the outlet of the assemblies (6) of a nuclear reactor (1). It comprises sleeves (9) through which pass upper columns (12) grouping together the guide ducts (10). After running horizontally along the periphery of the reactor, the ducts (10) are grouped together in lower columns (15) in the form of bundles before running towards the outlets of the coolant from the assemblies (6) in contact with the upper plate of the core (7). This device provides an excellent protection of the probe guide ducts with respect of the flow of the coolant.

IPC 1-7  
**G21C 17/10**

IPC 8 full level  
**G21C 19/20** (2006.01); **G21C 17/10** (2006.01); **G21C 17/116** (2006.01)

CPC (source: EP KR US)  
**G21C 17/10** (2013.01 - KR); **G21C 17/116** (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP)

Cited by  
FR2630854A1; EP0469753A1; FR2712723A1; EP0360629A1; FR2635906A1; US5057270A

Designated contracting state (EPC)  
AT BE CH DE ES GB IT LI NL SE

DOCDB simple family (publication)  
**US 4765947 A 19880823**; AT E58445 T1 19901115; CN 1018961 B 19921104; CN 86108402 A 19870701; DE 3675648 D1 19901220; EP 0233424 A1 19870826; EP 0233424 B1 19901114; ES 2018474 B3 19910416; FI 84943 B 19911031; FI 84943 C 19920210; FI 864985 A0 19861208; FI 864985 A 19870614; FR 2591790 A1 19870619; FR 2591790 B1 19880325; JP S62145199 A 19870629; KR 870006587 A 19870713; ZA 869035 B 19870826

DOCDB simple family (application)  
**US 93983386 A 19861209**; AT 86402792 T 19861212; CN 86108402 A 19861211; DE 3675648 T 19861212; EP 86402792 A 19861212; ES 86402792 T 19861212; FI 864985 A 19861208; FR 8518495 A 19851213; JP 29513686 A 19861212; KR 860010616 A 19861212; ZA 869035 A 19861201